AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method of fabricating a steel part, the method comprising the steps of:

preparing and casting a steel having the following composition in percentage by weight: $0.06\% \le C \le 0.25\%$; $0.5\% \le Mn \le 2\%$; traces $\le Si \le 3\%$; traces $\le Ni \le 4.5\%$; traces $\le Al \le 3\%$; traces $\le Cr \le 1.2\%$; traces $\le Mo \le 0.30\%$; traces $\le V \le 2\%$; traces $\le Cu \le 3.5\%$; and $0.005\% \le S \le 0.2\%$;

wherein the steel contains 5 ppm to 50 ppm of B, and 0.005% to 0.04% of Ti, where the Ti content is equal to at least 3.5 times the N content of the steel; and

wherein the steel further contains at least one of the following elements: Ca up to 0.007%; Te up to 0.03%; Se up to 0.05%; Bi up to 0.05%; and Pb up to 0.1%, and

wherein the steel satisfies at least one of the following conditions:

- * $0.5\% \le Cu \le 3.5\%$;
- * $0.5\% \le V \le \frac{2\%}{2}$;
- * $2\% \le Ni \le 4.5\%$ and $1\% \le Al \le 2\%$;

the remainder being iron and impurities resulting from preparation;

· hot deforming the cast steel at least once at a temperature in the range 1100°C to 1300°C in order to obtain a blank of the part;

controlled cooling of the blank for the part in still air or forced air to obtain a bainite microstructure; and

heating the steel to perform precipitation annealing before or after machining the part from said-blank.

wherein the hot deformation is forging;

wherein when the steel comprises 0.5% to 3.5% of Cu, the precipitation annealing is performed in the range of 425°C to 500°C for 1 h to 10 h, when steel comprises 0.5% to 2% of V, the precipitation annealing is performed in the range of 500°C to 600°C for more than 1 h, and when the steel comprises 2% to 4.5% of Ni and 1% to 2% of Al, the precipitation annealing is performed in the range of 500°C to 550°C for more than 1 h; and

wherein the controlled cooling of the blank is performed at a rate less than or equal to 3°C/s in the range of 600°C to 300°C.

2-4. (Cancelled)

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